

Erwan Brisson

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

1,423
citations

759233

12
h-index

996975

15
g-index

21
all docs

21
docs citations

21
times ranked

1903
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on regional convection-permitting climate modeling: Demonstrations, prospects, and challenges. <i>Reviews of Geophysics</i> , 2015, 53, 323-361.	23.0	907
2	The first multi-model ensemble of regional climate simulations at kilometer-scale resolution, part I: evaluation of precipitation. <i>Climate Dynamics</i> , 2021, 57, 275-302.	3.8	114
3	How well can a convection-permitting climate model reproduce decadal statistics of precipitation, temperature and cloud characteristics?. <i>Climate Dynamics</i> , 2016, 47, 3043-3061.	3.8	74
4	<scp>Convection</scp>-permitting modeling with regional climate models: Latest developments and next steps. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2021, 12, e731.	8.1	74
5	Local impact analysis of climate change on precipitation extremes: are high-resolution climate models needed for realistic simulations?. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 3843-3857.	4.9	53
6	Modelling strategies for performing convection-permitting climate simulations. <i>Meteorologische Zeitschrift</i> , 2016, 25, 149-163.	1.0	49
7	Multidecadal change in streamflow associated with anthropogenic disturbances in the tropical Andes. <i>Hydrology and Earth System Sciences</i> , 2015, 19, 4201-4213.	4.9	30
8	Comparison of one-moment and two-moment bulk microphysics for high-resolution climate simulations of intense precipitation. <i>Atmospheric Research</i> , 2014, 147-148, 145-161.	4.1	25
9	Multidecadal convection permitting climate simulations over Belgium: sensitivity of future precipitation extremes. <i>Atmospheric Science Letters</i> , 2017, 18, 29-36.	1.9	20
10	Convective Shower Characteristics Simulated with the Convection-Permitting Climate Model COSMO-CLM. <i>Atmosphere</i> , 2019, 10, 810.	2.3	15
11	Lagrangian evaluation of convective shower characteristics in a convection-permitting model. <i>Meteorologische Zeitschrift</i> , 2018, 27, 59-66.	1.0	14
12	Convective rain cell characteristics and scaling in climate projections for Germany. <i>International Journal of Climatology</i> , 2021, 41, 3174-3185.	3.5	14
13	Assessment of natural climate variability using a weather generator. <i>Climate Dynamics</i> , 2015, 44, 495-508.	3.8	13
14	Contrasting lightning projection using the lightning potential index adapted in a convection-permitting regional climate model. <i>Climate Dynamics</i> , 2021, 57, 2037-2051.	3.8	11
15	Diurnal Cycle of Precipitation in the Himalayan Foothills – Observations and Model Results. , 2020, , 73-89.		4
16	Convective rain cell properties and the resulting precipitation scaling in a warm-temperate climate. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2022, 148, 1768-1781.	2.7	2